

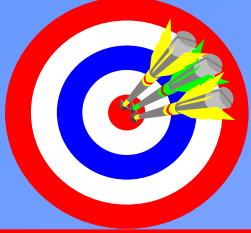


ESH Coordinators Meeting

Timely Categorization of DOE Reportable Events and Conditions

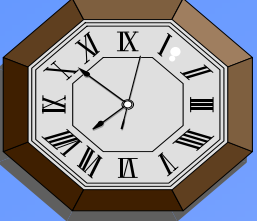
**Presented by Ed Sierra
Occurrence Program Coordinator
Quality Programs & Services Office**

February 12, 2002



Overview

- Recent History
- Our Requirement
- Categorization

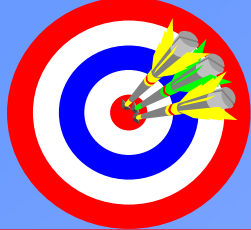


Time from Discovery of Event/Condition to Categorization

Recent History

- 10/30 – Personnel cont. @ BGRR - > 4 hrs.
- 11/14 – Over-wt. shipment of LLRW from BGRR - > 2 days
- 11/19 – Misclass. of RAM Shipped Offsite from BMRR - > 2 days
- 11/28 – Movement /Use of Radioactive Dispersibles without Proper Surveys (Medical) - > 6 days
- 12/05 – Personnel cont. @ Medical - > 21 hrs.
- 12/11 – Rainwater Flooding of Radiological Area, 801 - > 1 day
- 12/13 – Mischaracterization of Rad Haz Waste (C-A) - 1.5 hour
- 12/20 – Power Outage to One Group of Site Sirens - > 1 day
- 01/08 – Suspect Bolts found in Ratchet Strap Assemblies - .5 hour
- 02/07 – Lead found in Soil at CSF Storm Water Outfall - > 6 weeks

80% were not categorized within 2 hours of discovery



Our Requirement (ORPS Subject Area)

Immediate Event Response and Categorization

- Restore safe condition
- Dept. Chair/Div. Manager calls Categorizer:
 - The Department Chair/Division Manager contacts the Occurrence Categorizer via pager number **453-5887** as soon as practical, but allowing enough time so that a determination of reportability will take place within two hours of the event or condition discovery.



Categorization

What is a Possible Occurrence?

All staff are required to appropriately report abnormal events or conditions that:

- endanger the health and safety of staff or the public,
- have an adverse effect on the environment,
- impact the operations and intended purpose of BNL facilities,
- result in loss or damage of property, or
- adversely affect national security or the security interest of DOE or BNL.

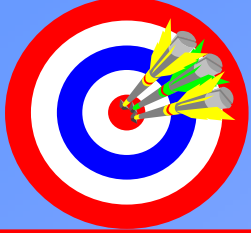


CAT Team Roster

- Pager number is 453-5887

- Ken Sullivan
- Steve Coleman
- John Maraviglia
- Bob Casey
- Pat Williams
- Ray Karol
- Ken Krasner
- Steve Moss

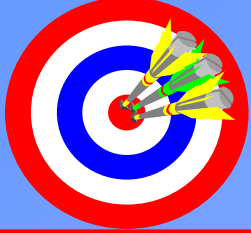




Why Categorize?

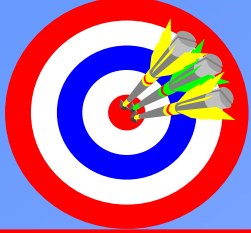
Four reasons:

- Communication
- Focus
- Response/mitigation



An Opportunity for Improvement

“No one *wants* to learn by mistakes, but we cannot learn enough from success to go beyond the state of the artSuch is the nature not only of science and engineering, but of all human endeavors.”



Is it Reportable?

Two samples (radioactive core bores) were transferred from the Graphite Reactor to the Analytical Services Lab (ASL). Neither sample was tagged as radioactive, both were double bagged in clear plastic. An ASL technician noted the samples were from the Reactor and proceeded to conduct a frisk. Both samples read $> 10,000$ cpm.





In Summary

Contact the Occurrence Categorizer via pager number **453-5887** as soon as practical, but allowing enough time so that a determination of reportability will take place within two hours of the event or condition discovery.

ORPS Program Supporting Documents

- ☆ Occurrence Reporting Program Description
<https://sbms.bnl.gov/program/pd05/pd05d011.htm>

- 🕒 ORPS Subject Area
<https://sbms.bnl.gov/standard/20/2000t011.htm>

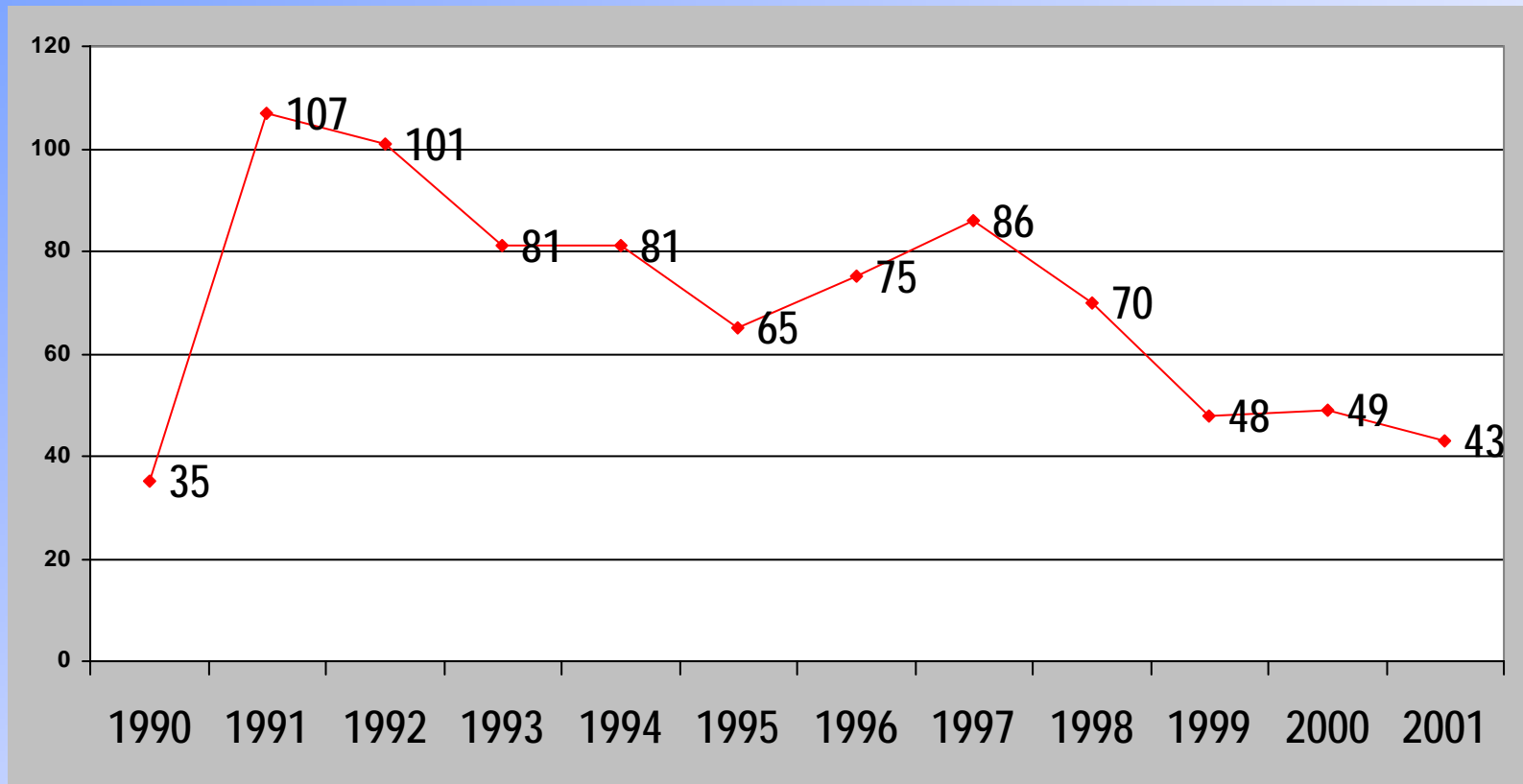
- 🕒 ORPS Cat Sch. & Not. Call List (limited distribution)

- 🕒 Occurrence Categorizer's Procedure
<http://www.io.bnl.gov/IOP-09R0.htm>

- 🕒 ORPS Office Procedure
<http://www.io.bnl.gov/IOP-08.htm>

BNL ORPS

by Calendar Year Report Submitted



As of 12/31

Definitions:

- **Condition:** Any as-found state, whether or not resulting from an event, which may have adverse safety, health, quality assurance, security, operational or environmental implications. A condition is more programmatic in nature, for example, an error in analysis or calculation; an anomaly associated with design or performance; or, an item indicating a weakness in the management process are all conditions.
- **Event:** A real-time occurrence (e.g., pipe break, valve failure, loss of power, environmental spills, earthquake, tornado, flood, etc.).